

### **Amendments to the Specification**

Please replace the paragraph in the substitute specification filed October 20, 2003 at page 7, line 26 through page 8, line 4 (corresponding to the specification as originally filed at page 7, line 23 through page 8, line 2) with the following amended paragraph:

~~In the~~ The low-frequency filter amplifier 6 provides a total frequency range at -3dB points from about 1.5 Hz to about 8kHz, as represented in Fig. 3. The low pass filter amplifier 6 includes two filters: (i) a two-pole, active, low-pass filter ~~[[,]] the capacitors (C1, C2, and C7, together with the resistors R12, and R13 with closed-loop amplifier J6, J5, Q7, J3, J4), and (ii) a one-pole, passive, low-pass pre-filter (R3, C9, R4). function as a~~ The two-pole, active, low-pass filter with the frequency range (-3dB) of about 1.5 Hz to 8 kHz, has a magnitude response with a rise beginning at about 500 Hz and a peak at about 10kHz. the Capacitor capacitor C10 functions as the negative feedback capacitor 7 of Fig. 1. The resistor Resistor R11 together with the capacitor C10 function as a one-pole high-pass filter with the a frequency cutoff (-3dB) of about 1.5 Hz, as graphically represented in the Bode plots of Figs. 3, 6, and 7, for the low-frequency filter amplifier 6. The resistors R3 and R4 together with the capacitor C9 function as a one-pole low-pass pre-filter with the frequency cutoff (-3dB) of about 460 Hz, for the low-frequency filter amplifier 6. Thus, the composite low-pass filter has a frequency range (-3dB) of about 1.5 Hz to about 8 kHz, as graphically represented in the Bode plots of Figs. 3, 6, and 7.